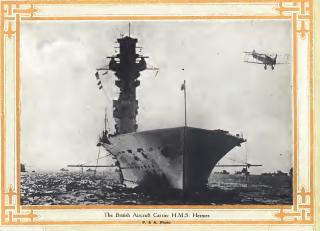
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The Oldest American Aeronautical Magazine

OCTOBER 12, 1925

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NUMBER 15

ANTI-STALL SAFETY DEVICE
THE FINISH OF THE FORD AIRPLANE TOUR
COL. MITCHELL'S CONCLUSIONS ON AIR DEFENSE POLICY

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HIGHLAND, N. Y.

225 FOURTH AVENUE, NEW YORK
Entered as Second-Class Matthe, Nov. 25, 1986, at the Paul Office at Highland, N. Y.

October 12, 1922

SPEED WITH SAFETY

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Convey Derroys Sacra 16

Bringing Out the Thoroughbred Strain

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GARDEN CITY, N. Y. BUFFALO, N. Y.

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On to New York for the New York 1935 Air Beau at Minded Field, Long Johnson, October 8th, 9th and 10th



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THE AIRPLANE BUILDERS-AND GOODYEAR

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October 12, 1925

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> THE GIBBONS COMPANY OFFICE: 30 COLUMNA ST. BROOKLYN, N.Y. U.S.A.

> > When France to Advertisery, Phone Montess SPLETION

OCTOBER 12, 1925

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ALRCRAFT MAGNETO

Contractors to U.S. News

Scintilla Magneto Company, Inc.

Offices and Factory-Sidney, New York

October 12, 1903

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FORD TOUR ENTRANTS



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Tourists Leave Chieses

October 12, 1925

October 12, 1922

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Greeker 12, 1925

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October 12, 1905

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Warm Welcome at Chicago

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October 12, 1905

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October 12, 1695

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October 12, 1525

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Further Attempts at Reducing the Landing Run of Airplanes A good globing scale and a slow landing speed here certain.

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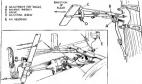
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The Ireland Comet

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Reduce quantity of planes and spare engines required

Spare planes and spare engines are one of the heaviest expenses of air mail transportation. The case with which inspections, adjustments and minor repairs are made on Whirlwind engines reduces the quantity of spare engines and spare planes exquired. Every "stand by" plane and engine cuts into anticipated profate. Planes they are ready to be In The A time of the time.

Insure regularity of service

The mail planes must be ready to leave on schedule time. The turn around time is short. It takes only an hour to change a cylinder or grind a valve in a Whitfwind. Servicing bearings and other parts is proportionately as fast. The mechanic can do almost any job required between runs and Without Taking Engine From Plane.

Cost less to operate

The low cost in time and labor for engine inspection and repairs, the excellent oil and fuel economy (sometimes less than 8 gal. per hr.), the small quantity and reasonable price of spare parts due to the unit construction all make the Whirlwind engines economical to operate.

DURABILITY

A stock. Whitlwind engine flew over 100 hrs. at full throtted and full IRPM without replacement or adjustement of a single part or loss of revs. This is the equivalent of 300 hrs. of normal part throtted Bying. Many of the 160 Whitlwinds with the Huff Deland Dusters are over the 100 hrs. of the 100 hr

given airplane engines than this daily grind with heavy loads, heat, rain, bad fields, dust, constant take-offs, and operating hundreds of miles from their repair bases. Durability can only be built into an engine or an automobile by constantly improving such parts as are found to give trouble. This is a task of years. A stock production Whirlwind (then Lawrence) won the Marine Trophy at the Detroit Air Meet in 1922. Since then 4 new models have been made with hundreds of changes, most of them for durability.

Decrease liability of crashes

A corollary of engine durability is afery. Dependability next to low cost is the most important characteristic of any transportation equipment. The proved dependability of the Whirlwind engines is one of the best safeguards for safe flying. In the recent Hawaiian manuscript of the provided of the safe flying. In the recent Hawaiian manuscript of the work of the safe flying in the provided over 2,000 hours with only one forced landing and that due to a stoppage in the fuel tank line.

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The air cooled Whirlwind engines are better for extreme hot weather flying. Many instances are on record when these air cooled in extremely hot weather were flying perfectly when water cooled could not fly because of boiling. In winter draining radiators, heating water, heated hangars are all obviated by the air cooled.

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